

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - REVISED

PERMITTEE

Temperature Equipment Corporation  
Attn: Paul Geffert  
845 East Park Avenue  
Libertyville, Illinois 60048

Application No.: 73080190

I.D. No.: 097090AAB

Applicant's Designation:

Date Received: May 2, 2000

Subject: Fuel Combustion Units

Date Issued: August 2, 2000

Expiration Date: March 27, 2001

Location: 845 East Park Avenue, Libertyville

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of several fuel combustion units (boilers, heaters, etc.) pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons/year for NO<sub>x</sub>). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program permit. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit(s) issued for this location.
2. Usage and total firing rates of natural gas fired equipment at the source shall not exceed the following limits:

Fuel combustion emissions.

<u>Item of</u> <u>Equipment</u>	<u>Firing</u> <u>Rate</u> <u>(mmBtu/Hr)</u>	<u>Natural Gas</u> <u>Usage</u> <u>(mmscf/mo)(mmscf/yr)</u>	<u>Nitrogen Oxide</u> <u>Emissions</u> <u>(Lb/Hr)(T/Yr)</u>	<u>VOM</u> <u>Emissions</u> <u>(Lb/Hr)(T/Yr)</u>
Fuel Combustion (Total)	244.6	60.4      604	34.2    42.3	1.3      1.6

This table defines the potential emissions of boilers, ovens, heaters, etc. and is based on maximum firing rates, and natural gas being fired

and the emissions were determined by standard AP-42 emission factors. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus preceding 11 months.

3. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs,

or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Agency. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Agency.

- 4a. The Permittee shall maintain records of the natural gas usage (mmscf/mo).
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Agency and USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Agency request for records during the course of a source inspection.
5. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Agency's Compliance and System Management Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
6. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Eisenhower Tower  
1701 South First Avenue  
Maywood, Illinois 60153

7. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: natural gas usage from the previous calendar year.

Please note, this permit is revised to change the "subject" line of the permit heading.

Page 3

If you have any questions on this, please call John Blazis at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:JPB:jar

cc: Region 1  
FOS, Compliance Unit  
USEPA

## Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from this facility operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Agency used the annual operating scenario which results in maximum emissions from such a plant. This is handling 604 million standard cubic feet per year of natural gas. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of NO<sub>x</sub> at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

### 1. Fuel combustion emissions.

Item of Equipment	Firing Rate (mmBtu/Hr)	Natural Gas Usage (mmscf/mo)(mmscf/yr)	Nitrogen Oxide Emissions (Lb/Hr)(T/Yr)	VOM Emissions (Lb/Hr)(T/Yr)
Fuel Combustion (Total)	244.6	60.4      604	34.2    42.3	1.3      1.6

This table defines the potential emissions of boilers, ovens, heaters, etc. and is based on maximum firing rates, and natural gas being fired and the emissions were determined by standard AP-42 emission factors.

2. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Agency. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Agency.

JPB:jar

